



- EXPLANATION**
- Qal** Alluvium (Holocene)—Grades from clay to gravel, consists predominantly of silt to fine sand, deposited in streambeds and fans; includes landslide and terrace deposits and older coarse-grained unconsolidated streambed and pediment fan deposits (Pleistocene)
 - Qdm** Vashon moraine deposits (Pleistocene)—Consist of clay, silt, sand, and gravel; also includes mixtures of till and outwash not separately mappable
 - Qovs** Vashon recessional outwash deposits (Pleistocene)—Consist of stratified sand and gravel deposits, and locally contains some silt and clay deposits
 - Qovg** Vashon recessional outwash deposits (Pleistocene)—Consist of stratified pebble to boulder size gravels deposited in meltwater streams and deltas; may also include some ice-contact deposits
 - Qvt** Vashon till (Pleistocene)—Predominantly fine-grained deposits consisting of unsorted and unstratified glacial sediments from clay to boulder in size that vary in compaction and composition throughout the Puget Sound Lowland
 - Qdp** Pre-Fraser undifferentiated glacial and nonglacial deposits (Pleistocene)
 - Qlhf** Logan Hill Formation (Pleistocene)—Consists of alpine outwash sand and gravel, stained reddish to yellowish brown; also includes small amounts of silt and clay and moderately to completely weathered volcanic rocks from adjacent Tertiary rocks
 - Br** Bedrock—Tertiary and older volcanic and sedimentary rock, undifferentiated
 - Hydrogeologic contact

REFERENCES (CHEHALIS)

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Noble, J.B., and Wallace, E.F., 1966, Geology and ground-water resources of Thurston County, Washington: Washington Division of Water Resources Water Supply Bulletin 10, v. 2, 141 p.

Wallace, E.F., and Molerar, Dee, 1961, Geology and ground-water resources of Thurston County, Washington: Washington Division of Water Resources Water Supply Bulletin 10, v. 1, 254 p.

Scale 1:100,000
0 1 2 3 4 5 MILES
0 1 2 3 4 5 KILOMETERS

Data from U.S. Geological Survey
Chehalis River (1982)
Metric quadrangle, 1:100,000
Universal Transverse Mercator projection
Zone 10

SURFICIAL HYDROGEOLOGIC UNITS OF THE PUGET SOUND AQUIFER SYSTEM, WASHINGTON AND BRITISH COLUMBIA, FOR THE CHEHALIS RIVER QUADRANGLE

By
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